

**ADDENDUM #2  
TO SPEC. 06-122**

**LINCOLN WATER SYSTEM  
RAW WATER TRANSMISSION MAIN ENCASEMENT  
City Project No. 506010  
City of Specification No. 06-122**

Addendum #1 to Spec. 06-122 for above project, bids to be opened on Tuesday, April 18, 2006 at 12:00 noon (note new opening date of Thursday, April 20, 2006).

**Attached is Addendum No. 2 as prepared by Black & Veatch.**

All other terms and conditions to remain unchanged.

Dated this 17th day of April, 2006

Purchasing Department

Vince M. Mejer  
Purchasing Agent

**LINCOLN, NEBRASKA  
RAW WATER TRANSMISSION MAIN ENCASEMENT  
CITY PROJECT NO. 506010  
SPECIFICATION NO. 06-122**

**ADDENDUM NO. 2**

April 17, 2006

1. **SCOPE.** This Addendum No. 2 consists of pages AD2-1 through AD2-2 and the attachments listed below, which include revisions to the specifications as listed under Item 2.

Attachments to this Addendum No. 1 include

- Exhibit C-2 - Shoring Design
- APPENDIX - Shoring Design by Structural Systems Design, Inc.

2. **SPECIFICATIONS.**

2.1. **NOTICE TO BIDDERS.** **Revise the date for receiving bids** in the second paragraph from "Tuesday, April 18, 2006" to **"Thursday, April 20, 2006"**.

2.2. **TABLE OF CONTENTS.** **Page TC-1.** Under the Exhibit C-2 listing, revise the listing to read as follows: "Exhibit C-2 – Shoring Design".

2.3. **TABLE OF CONTENTS.** **Page TC-2.** Under the APPENDIX listing, add "Shoring Design" on the line below "Geotechnical Information".

2.4. **EXHIBIT C-2 – SHORING DESIGN.** Insert Exhibit C-2 – Shoring Design attached to this addendum No. 1.

2.5. **Section 02202 – TRENCHING AND BACKFILLING.** **Page 02202-1, Paragraph 1-4. SHEETING AND SHORING DESIGN - ASSIGNMENT.** Delete the paragraph in its entirety and replace with the following:

"1-4. **SHEETING AND SHORING DESIGN.** As specified, CONTRACTOR shall provide and install a sheeting and shoring design in accordance with BNSF's "Guidelines for Temporary Shoring" and accepted by the BNSF railroad. CONTRACTOR shall install the approved sheeting and shoring and obtain BNSF's acceptance of the installation prior to undertaking any transmission main excavation work within the railroad right-of-way. To assist CONTRACTOR and to expedite the Work, a shoring design is being made available to CONTRACTOR. If CONTRACTOR uses the information provided, in lieu of his own shoring design, CONTRACTOR is solely responsible for such use and its suitability as indicated in Exhibit C-2."

(LWS – RWTM Encasement	)	AD2-1
(Lincoln, Nebraska – 2006	)	
(B&V Project No. 144414	)	

2.6. Section 02202 – TRENCHING AND BACKFILLING. Page 02202-7.  
Paragraph 3-2.05. Sheetting and Shoring. Delete the paragraph in its entirety  
and replace with the following:

“3-2.05. Sheetting and Shoring. As specified, CONTRACTOR shall provide and install a sheetting and shoring design in accordance with BNSF’s “Guidelines for Temporary Shoring” and accepted by the BNSF railroad. CONTRACTOR shall install the approved sheetting and shoring and obtain BNSF’s acceptance of the installation prior to undertaking any transmission main excavation work within the railroad right-of-way. To assist CONTRACTOR and to expedite the Work, a shoring design is being made available to CONTRACTOR. If CONTRACTOR uses the information provided, in lieu of his own shoring design, CONTRACTOR is solely responsible for such use and its suitability as indicated in Exhibit C-2.”

Each Bidder must acknowledge receipt of all addenda in the space provided on the Proposal Form.

(LWS – RWTM Encasement	)	AD2-2
(Lincoln, Nebraska – 2006	)	
(B&V Project No. 144414	)	

## EXHIBIT C-2 – SHORING DESIGN

To expedite the work schedule, CONTRACTOR may have access to existing shoring plans for the site in the possession and control of the CITY. If CONTRACTOR uses any such information, CONTRACTOR is solely responsible for such use. In the event CONTRACTOR determines, in its sole discretion, to use such information, neither the CITY nor the firm or entity preparing the same for or on behalf of the CITY shall assume any responsibility whatsoever as to the sufficiency or accuracy of such information including any related interpretations or derivative work.

Further, neither the CITY, nor the ENGINEER, nor the firm or entity preparing the same for or on behalf of the CITY are to be deemed to have provided any warranty or guarantee, express or implied, that the conditions indicated by such information are in fact so, or that the information is suitable or representative as it relates to the work or the project site, or any part thereof, or that changes or unforeseen developments may not have occurred.

Regardless of the use of such information, CONTRACTOR is solely responsible for preparing and implementing a suitable shoring plan approved by the CITY and the Burlington Northern Santa Fe Railroad based on and suited to the CONTRACTOR'S own means and methods.

## **APPENDIX**

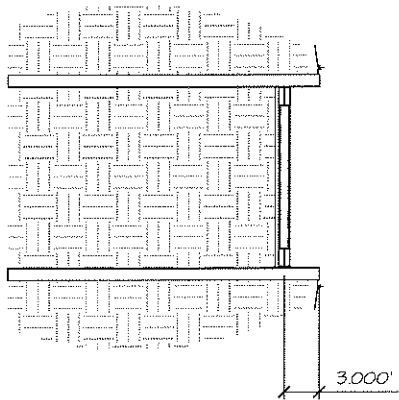
### **SHORING DESIGN BY STRUCTURAL SYSTEMS DESIGN, INC.**

The information following this page is part of a design prepared for the City under a separate contract. The terms of use of this information by Contractor is defined in Exhibit C-2. The information is for reference only and is not part of the Contract Documents.

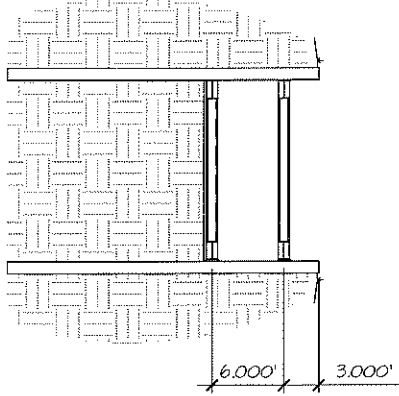


**2**  
S2.1  
EXCAVATION RETAINAGE AT 48" MAIN MP 34.81

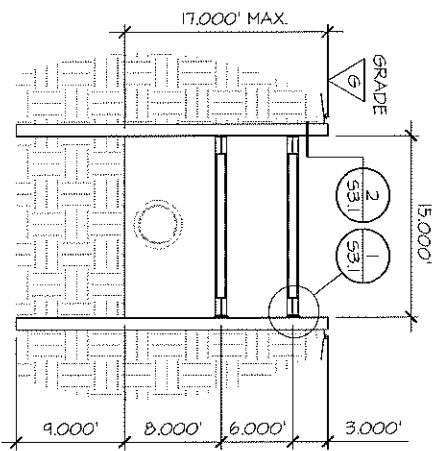
**D**  
S2.1  
STEP 1



**E**  
S2.1  
STEP 2

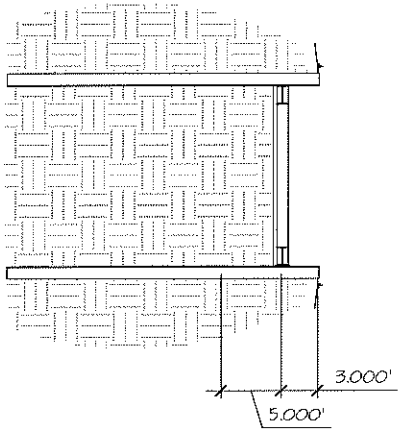


**F**  
S2.1  
STEP 3

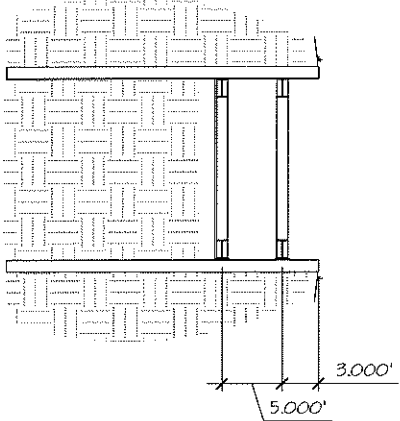


**1**  
S2.1  
EXCAVATION RETAINAGE AT 36" MAIN MP 34.98

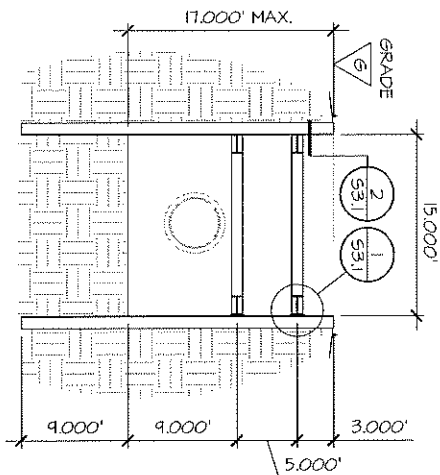
**A**  
S2.1  
STEP 1



**B**  
S2.1  
STEP 2



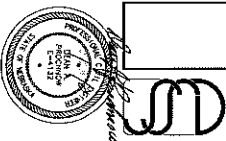
**C**  
S2.1  
STEP 3



**PILING INSTALLATION NOTES**

1. INSTALL PILING AS SHOWN DRIVE PILING PLUMB AND ON LINE INTERLACING WHEN POSSIBLE. TOP OF PILING MUST BE BELOW TOP OF LIES NOTE LOCATIONS OF UNDERGROUND UTILITIES.
2. EXCAVATE TO FIRST WALKER LEVEL. SEE STEP 1.
3. INSTALL WALKERS AROUND THE PERIMETER OF THE SHEET PILING.
4. INSTALL STRUTS AT A MAXIMUM SPACING OF 12 FT. DO NOT EXCEED.
5. EXCAVATE TO THE NEXT LEVEL. SEE STEP 2.
6. REPEAT ITEMS 3, 4 AND 5. SEE STEP 3.
7. WHEN COMPLETE WITH EXCAVATION OF PILES COMPACT SOILS TO LOWER STRUT LEVEL PER GEOTECHNICAL REQUIREMENTS.
8. REMOVE LOWER STRUT AND WALKERS ONLY.
9. COMPACT SOIL TO BOTTOM OF TOP WALKERS.
10. REMOVE TOP STRUTS AND WALKERS.
11. COMPACT SOILS TO EXISTING GRADE.
12. REMOVE SHEET PILING.

**S2.1**



Structural Systems Design, Inc.  
1701 Cashman Drive, #B  
Lincoln, NE 68512  
PHONE (402) 421-1133  
FAX (402) 421-1244

REVISION	DATE	BY	CHK
1	4-18-06		
2			
3			
4			
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7			
8			
9			
10			
11			
12			

PROJECT NO.	100-001
DRAWN BY	
CHECKED BY	
DATE	4-18-06

**LWS RAW WATER MAIN**  
**TRANSMISSION MAIN ENCASEMENT**  
**MP 34.98 AND MP 34.81**

**SECTIONS**

## SECTIONS